| Work Order I. Wednesday, April 13, | | | | | | | | | April 18th Page 1 | | | | |
|---------------------------------------|--------------------------------|------------------------|------------------------------|-----------|---------------------------|--------------|---------------|------------------|-------------------|------------------------------------|--|--|--|
| Revision ID: Item Name: Fitting | 98-1 ng 5/2011 Start Qty: 5.00 | | Accept | Cust Item | | | s | Setup Star | | 111 111 111 111 111 111 111 111 | | | |
| Required Date: 4/13 Reference: | 8/2011 Req'd Qty: 5.00 | | | Customer: | | | | | | | | | |
| Approvals: Pro | ocess Plan: | Date: \ _4-13 Date: | Tooling: SPC (Y/N): | | ate: | | R | Run Star Stop | 1 19911181 9 | | | | |
| Sequence ID/ Work Center ID | Operation Description | | Set Up/ Run Hours | Tool ID | Tool # | Plan Code | Accept Qty | Reject Qty | Reject Number | Insp. Stamp | | | |
| Draw Nbr | Revision Nbr Rev A | | - | | | | | | | | | | |
| 100 Waterjet FLOW CNC Waterjet | FLOW WATER JET Memo 1-Cut as | per Dwg D3198 | 0.00 0.00 :□Prog Rev:_ | □2- | | | 181 | 1-4-13 | (C | | | | |
| QC Quality Control | QC2- Inspect parts o | ff machine FAI/FAIB | 0.00 | | | | K3(| 1-4-13 | | | | | |
| 120 QC Quality Control | QC8- Inspect parts - | second check | 0.00 | | | | m | -11 | 04 | 136 | | | |

| W/O: | | | WORK ORDER CHANGES | | | | | | | | | |
|-------------|------------------------|-----------|----------------------|-------|------------------------------|-----------------|-------------|--------------|----------|---|--------------------------|--|
| DATE | STEP | PRO | CEDUR | E CH | IANGE | | Ву | Date | Qty | Approval Chief Eng / Prod Mgr | Approval QC Inspector | |
| | | | | | | | : | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | <u>'</u> | | | |
| | | | | | | | | | | | | |
| | | <i>*</i> | | | | • | | | | | | |
| · | | | | | | | | | | | | |
| Part No | : | PAR #: | Fau | lt Ca | tegory: | NCF | : Yes | No DQ | ۱: | Date: | | |
| Resolution: | | | Dis | posit | ion: | QA: N/C Closed: | | | | Date: | | |
| NCR: | | \ | WORK | OR | DER NON-CONFORMA | NCE | (NCR | 3) | | | | |
| DATE | STEP Description of NC | | | | | verification | | | | | | |
| DAIL | JILI | Section A | Init Chief | | Action Description Chief Eng | | Sign & Date | Section | on C | Chief Eng | QC Inspector | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | , | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | · | ĺ | | | | | | |
| | | | | | ' | | | | | | | |
| | | | | | | | | | | | | |
| | | | - | | | | | | | | | |
| | | | | | | | | | | a de la companya de | i | |
| | | | | 1 | | } | | | | | 1 | |

NOTE: Date & initial all entries

H:\fFORMS\Quality Assurance\approved QA\NCRWO RevE

Page 2

Wednesday, April 13, 2011 10:05:07 AM

Item ID:

D3198-1

Accept



Date:

Setup Start



Revision ID:

Start Date:

Item Name: Fitting

Required Date: 4/13/2011

4/13/2011

Start Qty: 5.00 Req'd Oty: 5.00



Cust Item ID:

Customer:

Reference:

Approvals:

Process Plan:

Date: Tooling:

Date:

Run

Start

Stop

Stop



Sequence ID/

Work Center ID

Date: _____

SPC (Y/N):

Set Up/

Run Hours

Tool ID

Tool # Plan

Accept Qty Code

Reject Qty

Reject Number

Insp. Stamp

130

Brake NC

NC BRAKE

Operation

Description

Memo

0.00

0.00

SB 11/04/14

Brake NC

1-Deburr if necessary □2-Form as per Dwg D3198

140

Quality Control

QC5- Inspect part completeness to step on W/O

0.00

Memo

0.00

: · · :

150

Powdercoat

Powder Coating

Grey Sandtex(Ref:4.3.5.6) per QSI005 4.3

0.00

Memo

OVEN TEMPERATURE:

6 H 11-4.15.

| Dart Aerospace Lte |
|--------------------|
|--------------------|

| | • | | l l | | | | | | | |
|---------|------|---------------------------------------|---------------|-----------------------------|------------------------------|--------------|----------|--------|-------------------------------------|--------------------------|
| W/O: | | | | V | ORK ORDER CHANGES | | | | | |
| DATE | STEP | PRO | CEDUR | E CH | ANGE | Ву | Date | Qty | Approval Chief Eng / Prod Mgr | Approval QC Inspector |
| | | | | | | | | | | |
| | | · · · · · · · · · · · · · · · · · · · | | | | | | | | |
| | | | | | | | | | | ^ |
| Part No | | | | | tegory: NC | | | | | |
| | R | esolution: | Dis | posit | ion: Q/ | A: N/C C | closed: | | Date: _ | |
| NCR: | | | WORK | OR | DER NON-CONFORMANC | E (NC | R) | | | |
| DATE | STEP | Description of NC | | Corrective Action Section B | | | Verifi | cation | Approval | Approval |
| DATE | | Section A | Init Chief | | Action Description Chief Eng | Sign Date | & Sect | ion C | Chief Eng | QC Inspector |
| | | | | | | | | | | |
| - | | | | | | | į | | · | |
| j | | | | | | | | | | |
| | | | | | | | | · | | |
| | : | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | · | | | | | |

NOTE: Date & initial all entries

H:\fFORMS\Quality Assurance\approved QA\NCRWO RevE

Work Order ID 68428

Wednesday, April 13, 2011 10:05:07 AM



Page 3

Item ID:

D3198-1

Item Name: Fitting

Start Date:

Revision ID:

4/13/2011

QC:

Start Qty: 5.00 Required Date: 4/13/2011 Reg'd Oty: 5.00



Accept



Setup Start



Cust Item ID:

Customer:

Reference:

Approvals:

Process Plan:

Date: Date:

Tooling: SPC (Y/N):

Date:

Date:

Run

Start

Stop



Stop

Sequence ID/ Work Center ID

160

Quality Control

Operation Description

QC3- Inspect Part Finish

Memo

Set Up/ **Run Hours**

0.00

0.00

Tool ID

Tool # Plan Code

Accept Qty

Reject Qty

Reject Number

Insp. Stamp

170

Packaging

Packaging

Identify as per dwg & Stock Location: 24676

0.00

180

Quality Control

QC21- Final Inspection - Work Order Release

0.00

Memo

Memo

0.00

, Picklist Print

Wednesday, April 13, 2011 10:05:03 AM

Work Order ID: 68428

Parent Item: D3198-1

Parent Item Name: Fitting

Start Date: 4/13/2011

Required Date: 4/13/2011

Page 1

Start Qty: 5.00

Required Qty: 5.00

Comments:

IPP: A□03.11.11□New Issue□KJ/RF□

IPP Rev:B Now on Waterjet 07-01-09 JLM

| Component Item ID/ Item Name | Replacement Item ID | Mfg/ Purch | Bin Primary Item Location | Last Location | Route Seq ID | Unit of Measure | Qty on Hand | Qty per Kit | Total Qty | Qty Issued | Date Issued | Status |
|---------------------------------|------------------------|---------------|------------------------------|------------------|-----------------|--------------------|----------------|-------------|--------------|---------------|----------------|--------|
| M304S11GA |)iii 600ii 101 100i | Purchased | No | | 100 | sf | 5.2500 | 0.105 | 0.552632 | | | |
| 304/316 0.125 Sheet | | | | | | | | | LR. | 1-4-13 | | |

 Location
 Loc Oty
 Loc Code

 MAT020
 5.25

 116623
 5.25

116623

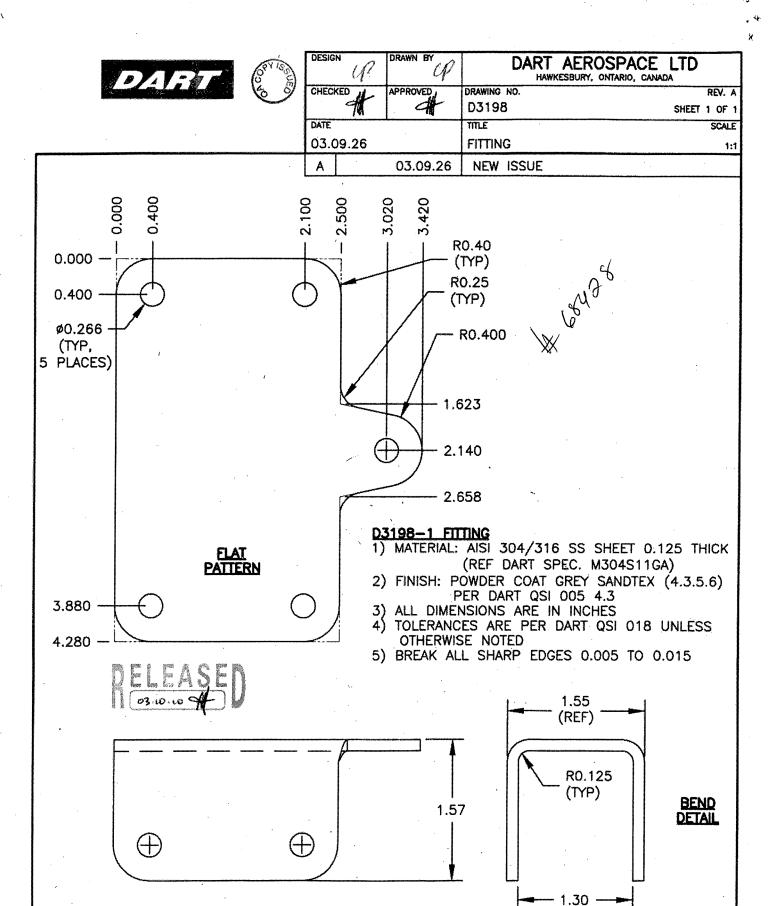


Dart Aerospace Ltd

| W/O: | | | | WO | RK ORDER CHANG | ES | | | | | *. |
|---------|------|-------------------|-------------------|---------------------------|------------------------------|------|-------------------------------|-------|------|-------------------------------|--------------------------|
| DATE | STEP | PROC | EDURE | CHAN | IGE | | Ву | Date | Qty | Approval Chief Eng / Prod Mgr | Approval QC Inspector |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | ÷ | | | | | | | | | |
| | | · | | | | | | | | | |
| Part No | | PAR #: | | | | | | | | | |
| | R | esolution: | Disp | osition | | _ QA | : N/C Cld | sed: | | Date: _ | |
| NCR: | | Wo | ORK (| ORDE | R NON-CONFORMA | ANCE | (NCR |) | | | |
| DATE | STEP | Description of NC | | Corrective Action Section | | | Sign & Verification Section C | | | | Approval |
| DAIL | 0121 | Section A | Initia Chief E | | Action Description Chief Eng | | Date | Secti | on C | Chief Eng | QC Inspector |
| • | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | 1,0 | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | · | | | | | | | | | | |
| | | | | | | | | | | | |
| | | , to | | | | | | | | | |
| | | | | | | | | | | | |

NOTE: Date & initial all entries

H:\fFORMS\Quality Assurance\approved QA\NCRWO RevE



Copyright © 2003 by DART AEROSPACE LTD

THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.

| DART AEROSPACE LTD | Work Order: 68438 |
|----------------------------------|----------------------|
| Description: FITING | Part Number: D3198-1 |
| Inspection Dwg: 03198-(, Rev: A | Page 1 of 1 |

FIRST ARTICLE INSPECTION CHECKLIST

Prototype First Article Actual Method of Drawing Comments Reject Accept Inspection Tolerance Dimension Dimension 366 V+BOZ 266 1006 - 2000, + γ 406 ,400 do 2,109 001.C مان. V 7,505 007, G 00 V 3,000 B60. E 010 3,41 3,420 ٧ .401 ,400 <u>داه</u> 2,139 2.140 حال 3,882 3 886 OD V 886.4 4.280 r OΙO 117 <u>, 010</u>

| Measured by: Audited by: Prototype Approval: | |
|--|--|
| Date: 11-4-13 Date: 11-04-13 Date: | |

| | | · | Revised by | Approved |
|-----|--------|-----------|------------|--------------|
| Rev | Date - | Change | KJ/JLM | |
| Α. | | New Issue | NUJULIVI | L |